

Title (en)

Anti-pathogenically effective compositions comprising lytic peptides and hydrolytic enzymes.

Title (de)

Lytische Peptide und hydrolytische Enzyme enthaltende antipathogen wirksame Zusammensetzungen.

Title (fr)

Combinaisons antipathogènes contenant les peptides lytiques et les enzymes hydrolytiques.

Publication

**EP 0448511 A1 19910925 (EN)**

Application

**EP 91810144 A 19910304**

Priority

US 49180190 A 19900312

Abstract (en)

Anti-pathogenically effective compositions are provided containing a combination of hydrolytic enzymes and lytic peptides as the active agent. Methods of controlling the growth of pathogens using the anti-pathogenically effective compositions are provided. Transgenic plants that contain genes that are able to express lytic peptides and hydrolytic enzymes are also provided.

IPC 1-7

**A01H 5/00**; **A01N 63/00**; **C12N 15/82**

IPC 8 full level

**A01H 1/00** (2006.01); **A01H 5/00** (2006.01); **A01N 37/44** (2006.01); **A01N 63/50** (2020.01); **C07K 14/00** (2006.01); **C07K 14/415** (2006.01); **C07K 14/46** (2006.01); **C12N 9/24** (2006.01); **C12N 15/09** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP KR US)

**A01N 63/00** (2013.01 - KR); **A01N 63/50** (2020.01 - EP US); **C07K 14/46** (2013.01 - EP US); **C12N 9/244** (2013.01 - EP US); **C12N 9/2442** (2013.01 - EP US); **C12N 15/8282** (2013.01 - EP US); **C12Y 302/01006** (2013.01 - EP US); **C12Y 302/01014** (2013.01 - EP US); **C12Y 302/01058** (2013.01 - EP US); **C12Y 302/01073** (2013.01 - EP US)

C-Set (source: EP US)

1. **A01N 63/50 + A01N 63/50 + A01N 2300/00**
2. **A01N 63/50 + A01N 63/50**

Citation (search report)

- [XD] WO 8904371 A1 19890518 - UNIV LOUISIANA STATE [US]
- [XD] WO 8800976 A1 19880211 - UNIV LOUISIANA STATE [US]
- [XP] EP 0374823 A2 19900627 - MILES INC [US]
- [X] DERWENT CENTRAL PATENTS INDEX, BASIC ABSTRACTS JOURNAL, week B29, 17th September 1979, section C: AGDOC, abstract no. J54073-182, Derwent Publications Ltd, London, GB; & JP-A-54 073 182 (MITSUI PETROCHEM. IND. K.K.) 12-06-1979
- [A] CHEMICAL ABSTRACTS, vol. 87, no. 21, 21st November 1977, page 94, abstract no. 162156d, Columbus, Ohio, US; P.M. MILLER et al.: "Effects of hydrolytic enzymes on plant-parasitic nematodes", & J. NEMATOL. 1977, 9(3), 192-7

Cited by

US6054637A; EP0552559A3; US5773696A; US6121436A; EP0975354A4; EP0988048A4; EP1878438A3; EP0712272A4; EP0462065A3; EP0798381A3; US5888504A; AU728379B2; US6087161A; US9352020B2; US9289461B2; US9138455B2; WO9635793A1; US6680058B1; US6750381B2; US6215048B1; US6653280B2; US8889633B2; US9345741B2; US6635740B1; US7566777B2; US6187995B1; US9345727B2; US6316407B1; US6916970B2; WO9716973A3; EP2718444B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0448511 A1 19910925**; **EP 0448511 B1 20010718**; AT E203141 T1 20010815; AU 655579 B2 19950105; AU 7279791 A 19910919; CA 2037806 A1 19910913; DE 69132660 D1 20010823; DE 69132660 T2 20020523; ES 2161210 T3 20011201; HU 910788 D0 19910930; HU T56703 A 19911028; IE 910800 A1 19910925; IL 97480 A0 19920621; IL 97480 A 19960618; JP H04217903 A 19920807; KR 910016255 A 19911105; NO 910947 D0 19910311; NO 910947 L 19910913; NZ 237387 A 19920728; PH 30997 A 19971223; PT 96999 A 19911031; PT 96999 B 20020228; TR 26942 A 19940829; US 5348743 A 19940920; ZA 911766 B 19911127

DOCDB simple family (application)

**EP 91810144 A 19910304**; AT 91810144 T 19910304; AU 7279791 A 19910311; CA 2037806 A 19910308; DE 69132660 T 19910304; ES 91810144 T 19910304; HU 78891 A 19910311; IE 80091 A 19910311; IL 9748091 A 19910308; JP 6912991 A 19910308; KR 910003974 A 19910312; NO 910947 A 19910311; NZ 23738791 A 19910311; PH 42030 A 19910220; PT 9699991 A 19910311; TR 25591 A 19910312; US 8231093 A 19930625; ZA 911766 A 19910311